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From: "Rigassio-Smith, Anita" <Anita.Rigassio-Smith@jacobs.com>

To: Dave Dickerson/R1/USEPA/US@EPA

Delivered Date: 04/14/2009 03:58 PM EDT

Subject: RE: Next Question: CAD Cell Capacities

Hi Dave,

I will proceed as indicated. In the mean time, to answer your questions:

1. I applied the 10% to the MU1-24 and MU102-105 volumes only. I interpreted this from a note I made during our conversation on 2/11/09. If you think I should apply the 10% to the volume dredged hydraulically only, I can revise the volume accordingly. It would work out to be more like 579,505 cy.

2. The left-most column is what I use for tracking the cumulative volume in the cost estimate spreadsheets. The MU1-24 & MU102-105 volume (591,085 cy) minus the dredged to date volume (115,289 cy) gives 475,796 cy. Each removal volume increments this number by that volume. Can you tell me what the "475,289 cy" number comes from?

Anita

-----Original Message-----

From: dickerson.dave@epamail.epa.gov [mailto:dickerson.dave@epamail.epa.gov]

Sent: Tuesday, April 14, 2009 2:55 PM

To: Rigassio-Smith, Anita

Cc: Fox, Steve (New Bedford)

Subject: Re: Next Question: CAD Cell Capacities

Hi Anita,

I'm still playing phone tag with Man Chak about our discussion yesterday, so don't take this as final, but I think you're on the right track. But instead of taking the UHCC organics to offshore disposal, why not assume we'd dispose all of these into the LHCC (since our new volume to the LHCC is much lower...i.e we'd still be less than 300,000 cy total to the LHCC). So to answer your question, keep the LHCC around 300,000 (or whatever the new math works out to) but do lower the UHCC volume per the new volume balance.

It looks like you're applying the 10% extra to ALL DMU volumes?

I couldn't get the math to come out exactly as you show in the lower left. I think the problem is that "475,289 cy" should be "475,796 cy"

Thanks - Dave

"Rigassio-Smith,
Anita"
<Anita.Rigassio-Smith@jacobs.com>
>
"Fox, Steve \ (New Bedford\)"
04/14/2009 02:18 PM
Next Question: CAD Cell
Capacities

To
Dave Dickerson/R1/USEPA/US@EPA
cc
Subject

Hi Dave,

After our conversations yesterday, I worked through the volume calculations with the sequence of 2 more years of hydraulic dredging, build (City) LHCC, then build UHCC. It makes economical sense to dispose of the UH MU material into the UHCC and to dispose of the LH MU material (south of Coggeshall St. Bridge) into the LHCC. So, I assumed the following:

2 years (2009 and 2010) of hydraulic dredging with T&D disposal
contaminated organics from construction of UHCC to LHCC [18,300
cy]
material from MU33-37 to LHCC [167,031 cy]
remaining (not dredged through 2010) material from MU1-24, -102,
-105 to UHCC [115,796 cy]
material from MU25-32 to UHCC [114,684 cy]

The attached spreadsheet shows the volume balance for the two CAD cells with the above assumptions. The effect of an extra year of hydraulic dredging results in too much capacity in the CAD cells.

For the purpose of the \$80M/year scenario, should I reduce the volume of the UHCC to something like 230K cy or 240K cy; and that for the LHCC to something like 190K cy?

Anita

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